



TOSOH

CHLOROPRENE RUBBER

SKYPRENE®



TOSOH CORPORATION

Industrial Applications

Products and Characteristics

Product	Type	Mooney Viscosity ML (1+4) 100°C	Crystallization resistance	
B-5A	Mercaptan- modified	40 ~ 50	Very High	The slowest crystallization rate. Extremely small change in
B-5		45 ~ 53	High	Slow crystallization rate. Low change in hardness at low
B-10		47 ~ 55		Crystallization rate is intermediate between B-30 and B-5.
B-10H		65 ~ 85		High mooney viscosity form of B-10.
B-11		45 ~ 53		Crystallization rate is intermediate between B-30 and B-5.
B-12		36 ~ 44		Low mooney viscosity form of B-11.
B-25		45 ~ 53		High elongation form of B-5.
B-30		45 ~ 53	Medium	General purpose grade of mercaptan modified type with a
B-31		36 ~ 44		Low viscosity form of B-30.
Y-20E		43 ~ 53		The best extrusion characteristics of all Skyprene grades,
Y-30S		111 ~ 135		High viscosity form of B-30.
Y-31		90 ~ 110		Low viscosity form of Y-30S.
P-90	Xanthogen- modified	40 ~ 50	Relatively Low	Xanthogen modified type with crystallization rate slightly
E-20		43 ~ 53	High	Extrusion grade with slower crystallization rate.
E-20H		54 ~ 74		High viscosity form of E-20.
E-33		43 ~ 53	Medium	Extrusion grade of xanthogen modified type with a medium
630		100 ~ 120	High	High viscosity form of E-20H.
640	Mercaptan- modified	70 ~ 100	Very High	Extrusion grade of mercaptan modified type with excellent
TSR-41		40 ~ 50		Low viscosity form of TSR-51.
TSR-42		40 ~ 50	High	Low viscosity form of TSR-52.
TSR-44		40 ~ 50	Very High	Low viscosity form of TSR-54.
TSR-48		45 ~ 53	Medium	Similar to B-30 in all respects, furthermore with superior
TSR-51		55 ~ 75	Very High	Representative grade of TSR series having slow crystalliz
TSR-52		55 ~ 75	High	Similar to TSR-51 in all respects except crystallization re
TSR-54		60 ~ 80	Very High	The most crystallization resistant grade of TSR series, off
TSR-57		67 ~ 80		High elastic modulus form of TSR-51.
TSR-61		90 ~ 110		High viscosity form of TSR-51.
TSR-70		81 ~ 95		High mooney viscosity form of B-5.
R-10	Sulfur- modified	35 ~ 55 (*1)	High	Similar to R-22 in all respects except crystallization rate.
R-22		35 ~ 55 (*1)	Medium	General purpose grade in sulfur modified type with medium
505		34 ~ 54 (*1)	Relatively High	Heat resistance close to that of the mercaptan modified

Note *1: Mooney viscosity at the time of production

Characteristics	Applications
hardness at low temperature.	Automotive rubber parts Industrial rubber goods Electrical wire and cables Belts Hoses Rolls Anti-vibration rubber parts Others
temperature.	
medium rate of crystallization.	Extruded products Calender products
offering smooth finishes on extrusions. Suitable for extruding parts and calender products.	
	Automotive rubber parts Industrial rubber goods Electrical wire and cables Belts, Hoses, Rolls Anti-vibration rubber parts Others
faster than B-30, offering extremely high mechanical strength.	Extruded products Calender products Others
rate of crystallization, offering a good balance of mechanical strength and extrusion characteristics.	
crystallization resistance.	Automotive rubber parts (Boots etc) Industrial rubber goods Electrical wire and cables Hoses Rolls Others
fluidity and less staining for injection molding.	
ation rate and slightly high Mooney viscosity.	
sistance. Crystallization rate is intermediate between TSR-48 and TSR-51.	
ering the best resistance to heat and dynamic fatigue resistance.	
	Belts Rolls Sponges Linings Industrial rubber goods Others
rate of crystallization.	
grade, offering better dynamic fatigue resistance.	