

KKPC KOSYN KTR 101 Thermoplastic Elastomer (TPE)

Category : Polymer , Thermoplastic , Elastomer, TPE , Styrenic TPE

Material Notes:

Thermoplastic Elastomer (TPE) Characteristics: KOSYN KTR 100-800 series are linear block copolymers made by solution polymerization which polymerizes butadiene and styrene in organic solvent. It is thermoplastics free of vulcanization and has superior tensile strength and elasticity. Applications: Asphalt roofing, waterproof agent, modifier and adhesives. Additional Notes: Bound Styrene: 30% Volatile Matter: 0.5%; ASTM D1416 Ash Content: 0.15%; ASTM D1416 This product is so sensitive to sunlight and humidity that it can be tarnished and caused deterioration of quality if exposed. It is recommended to store it in cool and shady area lest it should be exposed to direct sunlight. Do not expose to incompatible materials or contaminants. Data provided by Korea Kumho Petrochemical Co., Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_KKPC-KOSYN-KTR-101-Thermoplastic-Elastomer-TPE.php

Physical Properties	Metric	English	Comments
Density	0.940 g/cc	0.0340 lb/in ³	ISO 2781
Brookfield Viscosity	4500 cP	4500 cP	25% by weight in toluene; ASTM D445
Melt Flow	<= 1.0 g/10 min @Load 5.00 kg, Temperature 200 °C	<= 1.0 g/10 min @Load 11.0 lb, Temperature 392 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	74	74	5 sec; ASTM D2240
Tensile Strength, Ultimate	24.0 MPa	3480 psi	ASTM D412
Elongation at Break	800 %	800 %	ASTM D412
Modulus of Elasticity	0.0220 GPa	3.19 ksi	ASTM D412

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