

KKPC Kumho KHS 58 High Styrene Resin Masterbatch (HSR)

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE)

Material Notes:

High Styrene Resin Masterbatch (HSR) Characteristics: KOSYN KHS is produced by mixing SBR 1502 of 23.5% styrene and high styrene resin latex at high temperature. It works as plasticizer which improves processability in rubber compounding, and has superior abrasion resistance, tear resistance and flex crack resistance. Also, it can hold up good physical properties with fillers. This product has superior compounding dispersibility and processability in addition to promoting the stiffness of manufactured goods. Applications: High solidity shoe part, foam sponge, equipment of automobile and other industrial tires. Additional Notes: Bound Styrene: 58% Stabilizer: Non-Staining Compound Properties: HSR 100 KOSYN 1502 50, ZnO 5, Stearic acid 0.5, Accelerator DM 2.5 Accelerator TT 0.2, Sulfur 2, Total: 160.2 Appearance: Pop-corn Type Cured Rubber: Press cured 50 minutes at 145°C 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-Kumho-KHS-58-High-Styrene-Resin-Masterbatch-HSR.php

Physical Properties	Metric	English	Comments
Density	0.990 g/cc	0.0358 lb/in ³	Not Compounded
Mooney Viscosity	46	46	Compounded; ML1+4
	@Temperature 100 °C	@Temperature 212 °F	
	60	60	Raw; ML1+4
	@Temperature 100 °C	@Temperature 212 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	85	85	Cured
Tensile Strength, Ultimate	11.8 MPa	1710 psi	Cured
Elongation at Break	400 %	400 %	Cured
300% Modulus	0.00981 GPa	1.42 ksi	Cured

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