



TECHNICAL DATA SHEET

CH 45 3233 NATURAL

Shore A hardness, multipurpose thermoplastic elastomer in which elastomeric phase is made of Styrene base copolymer rubber and plastic phase is olefinic base and this combination allows Sperene TPE to be processed both in an easy unexpensive way by means of traditional technologies used for thermoplastic processing.

Key Features

- Sperene TPE is a thermoplastic elastomer containing SEBS and olefinic plastic matrix.
- Excellent Physical & mechanical properties

Properties	Test Method	UoM	Typical Value
Sp.gravity	ASTM D 792	-	0.87
Hardness	ASTM D 2240	Shore A	45
Ultimate Tensile Strength	ASTM D 412	Kg/cm ²	25
Elongation @ break	ASTM D 412	%	400
Tear Strength	ASTM D 624 (Die C)	N/mm	20

Processing guidelines

Maximum Melt Temperature	160 - 220°C
Mold temperature	15 - 60 °C

- **Measured on compression molded sheet.**
- **Optimization of injection speed, along with high melt temperature and mold temperature is recommended for achieving improved gloss**

Disclaimer: Data represented are typical values and are tested in our laboratory. These values are intended to serve as guide only. Sperene makes no warranty, express or implied, as to the fitness of the products for any specific use or purpose. The above data is purely for reader's consideration, investigation, and verification.

Supplier Information:

Sperene Compounding private limited

Unit I-G-13, SITE-V, UPSIDC, GREATER NOIDA, U.P – 201310 Tel no: +91 8860616073

Unit II- D-30,31, FOOTWEAR COMP. PARK, IRRUNGATTUKOTTAI, SHRIPERUMBUDUR KANCHIPURAM, CHENNAI, TAMILNADU - 602105

Website: www.sperene.com