

FORPRENE® 6SD001A60 NEUTRO - TPV

Description

FORPRENE 6SD001A60 NEUTRO is a thermoplastic vulcanizate (TPV) for injection molding applications. It is formulated to yield high melt flow, low odor and neutral color, and is especially suitable for thin wall, long flow length part constructions. It is suitable for overmolding or 2K/multicomponent injection molding over polypropylene-based substrates.

Physical properties	Value	Unit	Test Standard
Density	60.6	lb/ft ³	ISO 1183
Mechanical properties (TPE)	Value	Unit	Test Standard
Tensile stress at 100%, perpendicular	247	psi	ISO 37
Tensile stress at 300%, perpendicular	377	psi	ISO 37
Compression set, 70 °C, 22h, Type A	46	%	ISO 815
Tensile strain at break, perpendicular	788	%	ISO 37
Tensile stress at break, perpendicular	1120	psi	ISO 37
Shore A hardness-TPE, 15s	61	-	ISO 868
Tear strength, Method Ba, perpendicular	160	lb/in	ISO 34-1

Typical injection moulding processing conditions

Temperature	Value	Unit
Zone1 temperature	320 - 338	°F
Zone2 temperature	338 - 356	°F
Zone3 temperature	347 - 365	°F
Nozzle temperature	329 - 347	°F
Melt temperature	365 - 383	°F
Mold temperature	68 - 104	°F

Typical extrusion processing conditions

Temperature	Value	Unit
Zone 1 temperature	320 - 338	°F
Zone 2 temperature	338 - 356	°F
Zone 3 temperature	347 - 365	°F
Die head temperature	356 - 374	°F

Other text information

Pre-drying

3h@80C

Longer pre-drying times/storage

Forprene must be stored indoors in the original, unopened and undamaged packaging, away from direct sunlight, moisture and heat.

Characteristics

Processing Injection molding