

FORPRENE® 6E1001A75 NEUTRO - TPV

Description

Flame retardant thermoplastic vulcanizate (TPV)

Physical properties	Value	Unit	Test Standard
Density	78.7	lb/ft ³	ISO 1183

Mechanical properties (TPE)	Value	Unit	Test Standard
Tensile stress at 100%, perpendicular	392	psi	ISO 37
Tensile stress at 300%, perpendicular	493	psi	ISO 37
Compression set, 70 °C, 22h, Type A	53	%	ISO 815
Tensile strain at break, perpendicular	530	%	ISO 37
Tensile stress at break, perpendicular	711	psi	ISO 37
Shore A hardness-TPE, 15s	75	-	ISO 868
Tear strength, Method Ba, perpendicular	149	lb/in	ISO 34-1

Thermal properties	Value	Unit	Test Standard
Flammability @1.6mm nom. thickn.	V-0	class	UL 94
Flammability @3.2mm nom. thickn.	V-0	class	UL 94

Typical injection moulding processing conditions

Temperature	Value	Unit
Zone1 temperature	320 - 338	°F
Zone2 temperature	347 - 365	°F
Zone3 temperature	356 - 374	°F
Nozzle temperature	329 - 347	°F
Mold temperature	68 - 104	°F

Typical extrusion processing conditions

Temperature	Value	Unit
Zone 1 temperature	320 - 338	°F
Zone 2 temperature	347 - 365	°F
Zone 3 temperature	356 - 374	°F
Die head temperature	365 - 383	°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

Special Characteristics	Flame retardant
Processing	Injection molding, Other extrusion