

LAPRENE® 830000696ED NEUTRO - SEBS

Description

Laprene 830000696ED is a styrenic block rubber-based TPE of 60 Shore A hardness, designed for high flow injection molding applications, including 2K or overmolding applications to polystyrene substrates. It is also modified to reduce surface friction and is stabilized for indoor UV exposure. It is available in natural color, for use in custom color applications.

Physical properties	Value	Unit	Test Standard
Density	68	lb/ft ³	ISO 1183
Mechanical properties (TPE)	Value	Unit	Test Standard
Tensile stress at 100% strain	261	psi	ISO 37
Tensile stress at 300%, perpendicular	522	psi	ISO 37
Tensile strain at break (TPE)	409	%	ISO 37
Tensile stress at break (TPE)	667	psi	ISO 37
Shore A hardness-TPE, 3s	59	-	ISO 868
Tear strength	143	lb/in	ISO 34-1

Typical injection moulding processing conditions

Temperature	Value	Unit
Feeding zone temperature	320 - 338	°F
Zone1 temperature	320 - 338	°F
Zone2 temperature	338 - 356	°F
Zone3 temperature	347 - 365	°F
Zone4 temperature	356 - 374	°F
Nozzle temperature	356 - 374	°F
Melt temperature	383 - 419	°F
Mold temperature	68 - 104	°F

Characteristics

Special Characteristics	High flow, UV resistant
Product Categories	Specialty
Processing	Injection molding
Delivery Form	Pellets