

Faraprene F301-45A natural

TPE

Primex Color, Compounding & Additives

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	0.6	g/10min	ASTM D 1238

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Modulus at 100% Elongation	0.862	MPa	ASTM D 412
Shore A Hardness	45	-	ASTM D 2240
Tear Strength	21	kN/m	ASTM D 624
Tensile Strength at Break	4.48	MPa	ASTM D 412
Elongation at Break	1000	%	ASTM D 412

Other properties	Value	Unit	Test Standard
Density	1170	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	177 - 216	°C	-
Mold temperature	21.1 - 37.8	°C	-
Zone 1	168 - 182	°C	-
Zone 2	171 - 199	°C	-
Zone 3	177 - 216	°C	-
Nozzle temperature	177 - 216	°C	-
Screw speed	50 - 130	rpm	-
Back pressure	0.103 - 0.345	MPa	-

Processing Recommendation Extrusion	Value	Unit	Test Standard
Melt temperature	177 - 216	°C	-
Zone 1	168 - 182	°C	-
Zone 2	171 - 199	°C	-
Zone 3	177 - 210	°C	-
Nozzle temperature	177 - 216	°C	-

Characteristics**Processing**

Injection Molding, Other Extrusion

Delivery form

Natural Color

Features

Good Adhesion

Certifications

Food contact, Food approval FDA 21 CFR

Applications

General Purpose, Medical, Packaging, Sports Equipment, Toys

Regional Availability

North America