

Faraprene F301-45A

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

Features

Good Adhesion

Certifications

Food contact, Food approval FDA 21 CFR

Applications

General Purpose, Medical, Packaging, Sports Equipment, Toys

Regional Availability

North America