

# Faraprene F301-55A

TPE

Primex Color, Compounding & Additives

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	2	g/10min	ASTM D 1238

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Modulus at 100% Elongation	1.03	MPa	ASTM D 412
Shore A Hardness	55	-	ASTM D 2240
Tear Strength	22.8	kN/m	ASTM D 624
Tensile Strength at Break	5.34	MPa	ASTM D 412
Elongation at Break	1000	%	ASTM D 412

Other properties	Value	Unit	Test Standard
Density	1170	kg/m <sup>3</sup>	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