

POKETONE E700

Hyosung Chemical Corporation - Polyketone, Aliphatic

General Information
Product Description

Barrier film grade for EVOH Blend

General

Material Status	• Commercial: Active
Availability	• Asia Pacific • Europe • North America
Uses	• Film
Processing Method	• Extrusion

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.18		ASTM D792
Density	1.18	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/2.16 kg)	6.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	5370	psi	ASTM D638
Tensile Elongation (Break)	150	%	ASTM D638
Flexural Modulus	102000	psi	ASTM D790
Flexural Strength	4790	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	13	ft·lb/in ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	387	°F	ISO 11357-3
Melting Temperature	387	°F	ASTM D3418

Processing Information

Extrusion	Nominal Value	Unit
Drying Temperature	176	°F
Drying Time	3.0 to 4.0	hr
Suggested Max Moisture	0.20	%
Cylinder Zone 1 Temp.	446	°F
Cylinder Zone 2 Temp.	437	°F
Cylinder Zone 3 Temp.	419	°F
Cylinder Zone 4 Temp.	410	°F
Cylinder Zone 5 Temp.	410	°F
Adapter Temperature	410	°F
Melt Temperature	410 to 446	°F
Die Temperature	410	°F
Screw Compression Ratio	2.5:1.0 to 3.0:1.0	

Extrusion Notes

 Jacket Temperature: < 50 C
 Screw L/D ratio: > 26
