Eastman™ F61HC

PET — Eastman Chemical Co.

Product Texts

F61HC is a low IV (0.59 dL/g) homopolymer PET that is readily crystallized by both thermal and mechanical processes. It is a cost-effective option that continues to surpass expectations for quality, efficiency and convenience in a wide array applications.

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	**2315**	MPa	ASTM D 638
Tensile Strength at Yield	**58.4**	MPa	ASTM D 638
Tensile Strength at Break	**22.8**	MPa	ASTM D 638
Elongation at Yield	**3.7**	%	ASTM D 638
Elongation at Break	**102**	%	ASTM D 638
Flexural Modulus	**2364**	MPa	ASTM D 790
Izod Impact notched, 1/8 in	**27.8**	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	**N**	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	**66**	°C	ASTM D 648
DTUL @ 264 psi	**61**	°C	ASTM D 648
Melting Temperature	**250**	°C	ASTM D 3418
Glass Transition Temperature	**78.2**	°C	ASTM E 1356

Optical properties	Value	Unit	Test Standard
ASTM Data			
Gloss	**139**	-	ASTM D 2457
Haze	**2.85**	%	ASTM D 1003
Light Transmittance	**84.9**	%	ASTM D 1003

Other properties	Value	Unit	Test Standard
Density	**1340**	kg/m³	ASTM D 792

Characteristics

Features

Homopolymer

Applications

Automotive, Electrical and Electronical

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa