

**H53N-00**

PP

INEOS Olefins &amp; Polymers

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	53	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	2.16	kg	-
<b>Mechanical properties</b>			
<b>ASTM Data</b>			
Tensile Strength at Yield	38.1	MPa	ASTM D 638
Tensile Strength at Break	27.5	MPa	ASTM D 638
Elongation at Yield	8.5	%	ASTM D 638
Elongation at Break	19.3	%	ASTM D 638
Rockwell Hardness	R 107	-	ASTM D 785
<b>Thermal properties</b>			
<b>ASTM Data</b>			
DTUL @ 66 psi	114	°C	ASTM D 648
<b>Optical properties</b>			
<b>ASTM Data</b>			
Gloss	92	-	ASTM D 2457
Haze	54	%	ASTM D 1003
<b>Other properties</b>			
Density	914	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding

**Additives**

Lubricants

**Features**

Nucleated, Homopolymer

**Certifications**

Food contact, Food approval FDA 21 CFR

**Applications**

Packaging

**Regional Availability**

North America