

INSPIRE™ 364

PP

The Dow Chemical Company

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Density	900	kg/m ³	ASTM D 792

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	42	g/10min	ISO 1133
MFI temperature	230	°C	-
MFI load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Yield stress	28	MPa	ISO 527-1/-2
Yield strain	12	%	ISO 527-1/-2
Charpy notched impact strength, +23°C	6.2	kJ/m ²	ISO 179/1eA
Flexural modulus, 23°C	1050	MPa	ISO 178
Shore D hardness, 15s	94	-	ISO 868

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 0.45 MPa	83	°C	ISO 75-1/-2

Other properties	Value	Unit	Test Standard
ISO Data			
Density	900	kg/m ³	ISO 1183

Optical properties	Value	Unit	Test Standard
ASTM Data			
Haze	12	%	ASTM D 1003

Characteristics**Processing**

Injection Molding

Features

Low Odor

Ecological valuation

Food contact, Food approval FDA 21 CFR

Applications

Packaging

Regional Availability

Europe, Near East/Africa

