

Petrochina Lanzhou Petrochemical company

Product quality inspection sheet

Analysis project	measured results	test method
Density,g/cm <sup>3</sup> (23℃)	0.924	ISO1183
Melt mass flow rate,g/10min(190℃ /2.16kg)	2	ISO1133
Melting point, ℃	112	ISO11357
Vica softening temperatureA/50, ℃	94	ISO306
Modulus of elasticity,Mpa	270	ISO527
Tensile yield strength,Mpa	10	ISO527
Shaw hardness D	48	ISO868
Maximum tensile strength longitudinal,Mpa	21	ISO527
Maximum tensile strength lateral,Mpa	20	ISO527
Maximum elongation longitudinal, %	550	ISO527
Maximum lateral elongation, %	700	ISO527
Falling dart impact strength, g	125	ASTM D1709
gloss(60° )	117	ASTM D2457
Haze (40μm film), %	7	ASTM D1003
The coefficient of friction	0.12	ISO8295

Suggested machining parameters:

Melting temperature: 160-200℃

Injection molding temperature: 180-220℃

Film thickness: 25-60μm