

<PPO >

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PPO(Poly Phenylene Oxide) GE가 Poly 2,6-Dimethyl Phenylene ether
HIPS(High-Impact Polystyrene) MPPO

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가
PPO PA 가 1985 GE가 PA , ,

< 1> PPO

	PPO/HIPS	PPO/PA	PPO/PBT
	1.06	1.10	1.15
(psi)	9.600	8,000	6,100
(%)	—	60	40
(psi)	360,000	310,000	270,000
HDT(264 psi)	265	450	200
(66 psi)	279	380	305
Izod (73F)	5.0	4.0	12.00
(-40F)	2.5	2.5	—
(%)	60 ~ 65	40 ~ 45	40 ~ 45
	×	○	—

PPO/PA 190 ~ 200 가 On-Line-Painting 가

PPO/PA General Motors 87 BUICK RESERVE-T Fender NISSAN BE-1 Front
Fender, 89 NISSAN PAO Front Fender
Allied-Signal 「Synergy」 , PPO/PA
「Dirnension」 GE 「Noryl GTX」
Allied-Signal , PPO

Option 가

, PPO/PA 가 , PA

Door Panel 가
가 PPO/PBT 가 GE GEMAX

가
PPO HIPS, PA, PBT 가 1

GE MPPO PPO/PA 가 ,
 , 가 .

< 2> PPO () (:)

Asahi Chemical	—	—	18,150	18,150
BASF	—	11,800	—	11,800
Borg-Warner	36,300	—	—	36,300
EPL(GE/Nagase)	—	—	49,900	49,900
Enichem	—	Pilot	—	—
GE	124,800	49,900	—	174,700
Huels	—	Pilot	—	—
MGC	—	—	9,980	9,980
Sumitomo/MPC	—	—	4,990	4,990
	161,100	61,700	83,020	305,820

() MGC: Mitsubishi Gas Chemical
 MPC: Mitsubishi Petrochemical Co.

< 3> PPO () (:)

	1986	1991	1996	
PPO/HIPS	165,600	242,740	319,900	7%
PPO/PA · PPO/PBT	—	9,070	18,150	—
	3,200	4,537	6,800	7~8%
	168,800	256,347	344,850	7~8%

PPO Borg-Warner, GE가 16 1100 , BASF,
 GE가 6 1700 , Enichem, Huels가 Pilot ,
 EPL, MGC, /MPC가 8 3020 30 5820 .< 2 >
 91 MPPO가 24 2740 , PPO/PA PPO/PBT가 9070 , 가
 4537 25 6347 7~8% .< 3 >
 91 GE가 MPPO 8300 , PPO/PA 10 가 .
 PPO/PA , Wheel
 cap .
 Wheel cap 80 .
 가 180 .
 PPO/PA Wheel cap On-Line-Painting 가 .
 , , , 가
 가 , Body Panel . 가
 , , 가
 PPO/PA 가 .
 Steel 1000 가 ,
 가 가 .< 1 >
 . Housing ABS , , FBT ,
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